



# भारत का राजपत्र The Gazette of India

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No. 52]

NEW DELHI, SATURDAY, DECEMBER 25, 1993 (PAUSA 4, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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Calcutta, the 25th December 1993

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1—387GI/93

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## पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 25 दिसम्बर 1993

## पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

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पेटेंट कार्यालय शाखा, टांडी इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोवा, जमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाह रोड,  
मद्रास-600002 ।

बान्धु प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिनिक्काय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
विजयम पैलेस, द्वितीय बहुस्तरीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी बशवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य भनादेश बशवा डाक बादेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट बशवा बैंक द्वारा की जा सकती है ।

# APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent branch are the dates claimed under section 135, of the Patent Act, 1970.

29th October 1993

650/Cal/93. The Research Foundation for Microbial diseases of Osaka University. Non-A, Non-B, Hepatitis Virus Genomic cDNA and antigen Polypeptide. (Divided out of No. 9/Cal/91 dated 1-1-91).

651/Cal/93. Hoechst Celanese Corporation. Process for preparing pyridine carboxylic acid derivatives. (Divided out of No. 652/Cal/90 dated 1-8-90).

1st November 1993

652/Cal/93. Philips petroleum company. Catalyst composition for polymerizing olefins.

653/Cal/93. Eaton Corporation. Improved scam for drum brake.

654/Cal/93. Eaton corporation. Computer controlled method of calibrating an x-y shifter.

655/Cal/93. Metallgesellschaft Aktiengesellschaft. Process of preparing a caesium and rubidium salt solution having a high density.

656/Cal/93. Organogenesis, Inc. In vitro cornea equivalent model.

657/Cal/93. Hoechst Aktiengesellschaft. N-(2-sulfatoethyl) piperazine sulfate and its preparation.

658/Cal/93. Hoechst Aktiengesellschaft. Stable 3, 3'-dichlorobenzidine dihydrochloride suspension.

659/Cal/93. ASTA Medica Aktiengesellschaft. Novel heterocyclic compounds with antiasthmatic anti-allergic, anti-inflammatory, positive inotropic and blood pressure-reducing effect.

660/Cal/93. Combustion engineering, Inc. Vertical buckstay/leveler attachment to a horizontal buckstay.

661/Cal/93. Hitachi Construction Machinery Co. Ltd. Hydraulic Drive System.

662/Cal/93. Thomson Consumer Electronics, Inc. Automatic Test Clock Selection Apparatus.

2nd November 1993

663/Cal/93. Siemens Aktiengesellschaft. Method and apparatus for determining orders of non-characteristic harmonic currents, and for their compensation.

664/Cal/93. Frigoscandia Food Process Systems AB. Conveyor belt for treatment of particulate solid material.

665/Cal/93. Frigoscandia Food Process Systems AB. Apparatus for treatment of solid material.

3rd November 1993

666/Cal/93. Combustion Engineering, Inc. Furnace Buckstay stirrup.

667/Cal/93. SKF Textilmaschinen-Komponenten GMBH. Roller holder in spinning-frame drafting equipment.

668/Cal/93. I & P Coats Limited. Making Textile Strands.

4th November 1993

669/Cal/93. BP Chemicals Limited. Organic Synthesis.

670/Cal/93. BP Chemicals Limited. Organic Synthesis.

671/Cal/93. Engelhard Corporation. Improved Nickel Catalyst.

672/Cal/93. Dyckerhoff & Widmann Aktiengesellschaft. Method and Apparatus for Fastening an insert part in a Formwork for the Production of Prefabricated Components from Concrete.

673/Cal/93. Takata Corporation. Rotary Actuator-Operated Seat Belt Pretensioner.

674/Cal/93. Pressindustria A.G. Continuous process and apparatus for the halogenation of elastomers.

5th November 1993

675/Cal/93. The Minister for Public Works for and on behalf of the State of New South Wales. Biological phosphorus removal from waste water. (Convention No. PL.5724 dated 6-11-92 in Australia).

8th November 1993

676/Cal/93. Hoechst Aktiengesellschaft. Process for preparing 1, 3-difluorobenzene.

677/Cal/93. Hoechst Aktiengesellschaft. Process for the preparation of N-(2-sulfatoethyl) piperazine in high purity.

678/Cal/93. Combustion Engineering, Inc. Spiral tube wall furnace seismic/wind tube stop.

679/Cal/93. Siemens Aktiengesellschaft. Disposal of waste gas, containing hydrogen and a residual gas, from an electrical machine filled with hydrogen.

680/Cal/93. Siemens Aktiengesellschaft. Discharge of hydrogen from a hydrogen-filled electric machine.

#### ALTERATION OF DATE UNDERSECTION-16

172875

Antedated to 06th January 1988.  
(878/Cal/90)

172876

Antedated to 24th June 1988.  
(971/Cal/90)

172880

Antedated to 28th May 1990.  
(16/Cal/92)

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The classifications given below in respect of each specification are according to Indian Classification and International Classification.

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#### स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार(4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतरराष्ट्रीय वर्गीकरण के अनुरूप है।”

स्वांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार, जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) चोटों लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 171

172861

15 Claims

Int. Cl.: C-03 B 23/22,  
B 32 B 17/00.

# METHOD OF MAKING MULTI-FOCUS OPHTHALMIC LENS.

Applicant & Inventor: RONALD S. ACE. OF 6150 SPRINGHILL TERRACE, GREENBELT, M D 20770, U.S.A.

Application No. 297/Cal/89; filed on 19th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 12 Claims

A method of producing a multifocal lens assembly having a near vision minor lens element secured to the surface of a major lens element, comprising

providing a major lens element having a front surface and an ocular surface, at least one of said surfaces being finished;

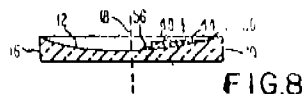
providing a set of completely finished minor lens elements, each minor lens in said set having a different one of a plurality of preselected add powers, each of said minor lens elements having first and second continuously curved surfaces, the relative curvatures of said first and second surfaces establishing a fixed power for that lens element, said lens element being optically clear, elastic, and highly flexible to permit mechanical deformation of said lens element without affecting the power thereof, said minor lens being sufficiently flexible to provide one surface thereof with a minor lens base curve matched to the curvature of the finished surface of a major lens element substantially without loss of the selected add power for the major lens element;

selecting one of said completely finished minor lens elements from said set in accordance with the add power required for said major lens element;

positioning said selected minor lens element with its said one surface adjacent a selected portion of a finished surface of said major lens element;

deforming said one completely finished minor lens element, while retaining its add power, to cause said one surface of said minor lens element to flex sufficiently to conform to the shape of the adjacent finished surface of the major lens; and

adhesively securing the deformed minor lens to the finished surface of the major lens thereby producing a finished multifocal lens assembly.



(Compl. Specn. 30 pages.

Drgns. 1 sheet)

Cl.: 32 E.

172862

Int. Cl.: C 08 F 2/00.

# NOVEL PROCESS FOR PRODUCING SYNDIOTACTIC POLYOLEFINS BY POLYMERISING OLEFINS.

Applicant: FINA TECHNOLOGY, INC. OF DALLAS, TEXAS 75221, U.S.A.

Inventors: (1) JOHN ANDREW EWEN, (2) ABBAS RAZAVI.

Application No. 531/Cal/89; filed on 7th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

A process for polymerizing olefin to form syndiotactic polyolefin, the process comprising:

(a) precontacting at least one metallocene catalyst described by the formula  $R''(CP)(CPR'_m)MeQ_k$  wherein CP is cyclopentadienyl and  $(CPR'_m)$  is a substituted cyclopentadienyl ring; each  $R'_m$  is the same or different and is a hydrocarbyl radical having 1-20 carbon atoms;  $R''$  is a structural bridge between the CP rings imparting stereoridity to the catalyst; Me is a group 4b metal from the periodic table of elements; each Q is a hydrocarbyl radical having 1-20 carbon atoms or is a halogen;  $K=2$ ;  $1 \leq m \leq 4$ ; and wherein  $R'_m$  is selected such that  $(CPR'_m)$  is a sterically different ring than (CP) with a co-catalyst at a mole ratio of co-catalyst: catalyst from 60:1 to 15600:1, wherein the co-catalyst is selected from alumoxanes represented by the general formula  $(R-A1-O)$  in the cyclic form and  $R(R-A1-O)_n-A1(R)_2$  in the linear form wherein R is an alkyl group with one to five carbon atoms and n is an integer from 1 to about 20, and

(b) introducing said catalyst into a polymerization reaction zone containing a olefin monomer and maintaining the reaction zone under polymerization reaction conditions as herein described wherein the syndiotactic polypropylene has a polymer chain with a microstructure which consist of blocks of repeating racemic (r) dyads being connected predominantly by units consisting of a meso triad (mm), or in NMR nomenclature the structure is.....

(Compl. Specn. 36 pages.

Drgns. 4 sheets)

Cl.: 126 A

172863

Int. Cl.: G 01 T 1/14.

# DOSIMETER FOR IONIZING RADIATION.

Applicant: B.V. OPTISCHE INDUSTRIE "DE OUDE DELFT". OF VAN MIEREVELTLAAN 9, 2612 XE DELFT, NETHERLANDS.

Inventor: HUGO VLASBLOEM.

Application No. 573/Cal/89; filed on 18th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 8 Claims

Dosimeter for ionizing radiation, suitable in particular for two-dimensional dose measurement, said dosimeter comprising a flat box-shaped, gas-filled, gastight housing which enclosed a measuring chamber and has at least two opposite walls which are transparent to the radiation to be measured, and electrode systems lying opposite each other and between which an electric field prevails when in operation, at least one of the electrode systems being disposed on one of the opposite walls, characterized by a pressure compensation element which with the measuring chamber forms a single gas-tight chamber and has at least partially walls of soft material, so that the pressure in the pressure compensation element automatically essentially follows the ambient pressure.

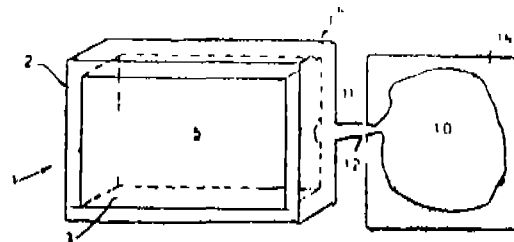


FIG. 2

(Compl. Specn. 11 pages.

Drgns. 1 sheets)

Cl.: 179 A.

172864

6 Claims

Int. Cl.: B 65 D, 39/00.

**METHOD FOR PRODUCING A CONTAINER HAVING AN IMPROVED CLOSURE AND THE CONTAINER PRODUCED IN THE METHOD.**

Applicant: KONINKLIJKE EMBALLAGE INDUSTRIE VAN LEER B.V. OF AMSTERDAMSEWEG 206, 1182 HL AMSTELVEEN, NETHERLAND.

Inventor: HERMAN PAUL KARS.

Application No. 606/Cal/89; filed on 27th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

3 Claims

Method for producing a container having an improved closure comprising realizing a collar projecting outwardly in the location of the container where the closure is provided; inserting a threaded ring into the collar, during use, projecting outwardly from the container; and connecting the threaded ring to the collar end away from the container; characterised in that the said connection between the threaded ring and collar end is performed by welding.

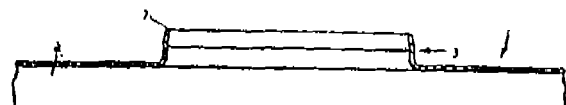


FIG 1



FIG 2



FIG 3

(Compl. Specn. 6 pages.

Drgns. 1 sheet)

Cl.: 208

172865

Int. Cl.: C 09 D 13/00.

**PENCIL LEAD SUBSTANCE AND A PROCESS FOR ITS PRODUCTION.**

Applicant: SOLMEX AG. OF ROHRLISTRASSE 6353 WEGGIS, SWITZERLAND.

Inventor: HANS-JOACHIM MEFFERT.

Application No. 638/Cal/89; filed on 7th August 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

Pencil lead substance comprising the following content in % by weight :

13	to	21	styrene acrylnitrile copolymerisate
1	to	6	calcium carbonate
3	to	6	stearic acid
3	to	12	calcium stearate
0.5	to	0.15	BHT (2, 6-di-tert-butyl-p-cresol)
0	to	0.5	carbon black
60	to	72	graphite
0	to	32	clay (kaolin)

(Compl. Specn. 14 pages.

Drgns. Nil)

Cl.: 136 E.

172866

Int. Cl.: B 65 B 3/02, 47/08.

**METHOD FOR PRODUCING LIQUID FILLED RECEPTACLES.**

Applicant & Inventor: BERND HANSEN OF HEERSTR 16, 7166 SULZBACH-LAUFEN 2, WEST GERMANY.

Application No. 743/Cal/89; filed on 08th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

3 Claims

A method for producing liquid filled receptacles of thermo-plastic material, comprising the steps of :

extruding plastic material into a broad, flat tube between walls of a molding assembly;

exerting differential pressure on walls of the tube such that the tube engages the mold assembly walls to form a receptacle strip having a plurality of small receptacles adjacent one another;

filling each small receptacle substantially simultaneously with a liquid through a movable separate, associated filler mandrel, the filler mandrels being moved within the tube extending within the molding assembly to fill the small receptacles; and

closing the small receptacles after filled by welding selected wall segments of the tube.

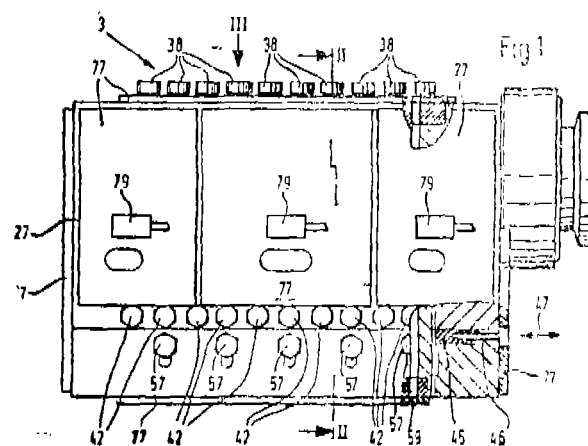
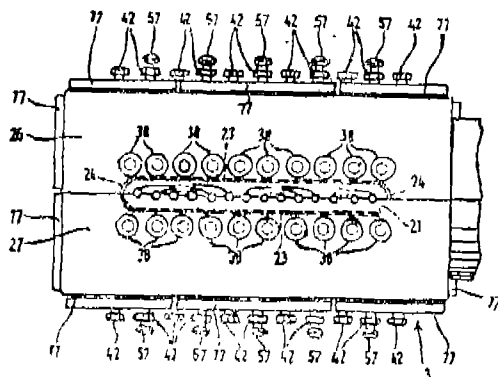
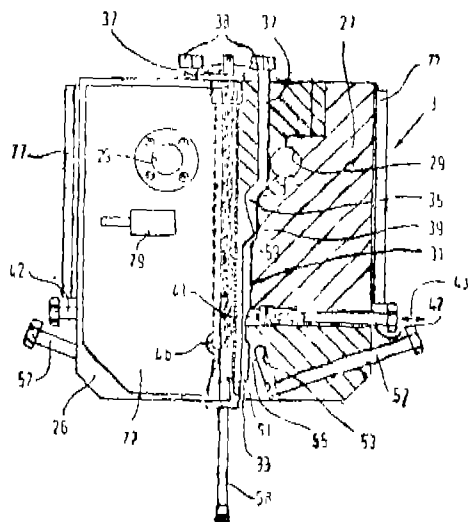


Fig 2



(Compl. Specn. 16 pages.)

Drngn. 6 sheets)

Cl.: 32 F 3

172867

Int. Cl.: C 07 C 27/00, 41/00.

**A. PROCESS FOR PREPARING A NEW CLASS OF DIETHER.**

Applicant: HIMONT INCORPORATED OF THREE LITTLE FALLS CENTRE-2801 CENTERVILLE ROAD-WILMINGTON DELAWARE 19850-5439-U.S.A.

Inventors:

- (1) GIOVANNI AGNES,
- (2) GIAMPIETRO BORSOTTI,
- (3) GIULIANA SCHIMPERNA,
- (4) ELISABETTA BARBASSA.

Application No. 791/Cal/89; filed on 27th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

**3 Claims**

A process for preparing a new class of diether of formula I shown in the accompanying drawings, wherein R and R', R<sup>II</sup>, R<sup>III</sup>, R<sup>IV</sup> and R<sup>V</sup>, same or different, are H or linear or branched alkyl, cycloalkyl, aryl, alkylaryl or arylalkyl radicals with 1-18 carbon atoms, provided that R and R<sup>I</sup> are not both H or CH<sub>3</sub> or are not CH<sub>3</sub> and n-propyl; R<sup>VI</sup> and

R<sup>VII</sup>, same or different, are linear or branched alkyl, cycloalkyl, aryl, alkylaryl radicals with 1-18 carbon atoms and one or more can be bounded to form a cyclic structure, comprising the steps or reacting:

a diol of formula II shown in the drawings with compounds of formula R<sup>VI</sup>-X, R<sup>VII</sup>-X or their mixtures (where X=Cl, Br, I, C<sub>6</sub>H<sub>5</sub>-SO<sub>3</sub>, p-CH<sub>3</sub>C<sub>6</sub>H<sub>4</sub>-SO<sub>3</sub>, CH<sub>3</sub>SO<sub>3</sub>), wherein R and R<sup>I</sup>, R<sup>II</sup>, R<sup>III</sup>, R<sup>IV</sup> and R<sup>V</sup> have the same meaning as set forth above.

(Compl. Specn. 20 pages.)

Drngns. 1 sheet)

Cl.: 33 H+D

182868

Int. Cl.: C 23 C 2/00, 26/00, 22/00.

**A METHOD OF FORMING METAL MATRIX COMPOSITES BODIES BY USE OF AN IMMERSION CASTING TECHNIQUE.**

Applicant: LANXIDE TECHNOLOGY COMPANY, I.P. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventor: JOHN THOMAS BURKE.

Application No. 797/Cal/89; filed on 29th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

**33 Claims**

A method or making a metal matrix composite body, comprising:

forming a pool by means such as herein described of molten matrix metal such as herein described;

forming a preform comprising a mass of a substantially non-reactive filler material, such as

immersing the preform into the pool; and

spontaneously infiltrating in the manner, such as herein described, at least a portion of the preform with molten matrix metal, if desired, either by providing an infiltrating atmosphere such as her in described in communication with at least one of the filler and the matrix metal for at least a portion of the infiltration process, or by supplying at least one of an infiltration enhancer precursor such as herein described and an infiltration enhancer such as herein described to at least one of the matrix metal, the filler and the infiltrating atmosphere, or by contacting at least a portion of the filler with at least one of said infiltration enhancer precursor and infiltration enhancer during at least a portion of the infiltration process.

(Compl. Specns. 34 pages.)

Drngs. 1 sheet)

Cl.: 33 H &amp; 35-E.

172869

Int. Cl.: C 04 B 14/00, 22/00, 35/00

B 32 B 18/00,

B 22 D 25/00.

**A METHOD FOR METAL MATRIX COMPOSITE BODIES CONTAINING THREE-Dimensionally INTERCONNECTED CO-MATRICES.**

Applicant: LANXIDE TECHNOLOGY COMPANY, I.P. OF TRALEE INDUSTRIAL PARK, NEWARK, DELAWARE 19714-6077, UNITED STATES OF AMERICA.

Inventors:

- (1) CHRISTOPHER ROBIN KENNEDY.
- (2) MICHAEL KEVORK AGHAJANIAN,
- (3) ALAN SCOTT NAGELBERG.

Application No. 800/Cal/89; filed on 29th September 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 41 Claims

A method for making a metal matrix composite bodies comprising: providing a substantially non-reactive three-dimensionally interconnected material as herein described; and

spontaneously infiltrating as her in described at least a portion of the three-dimensionally interconnected material with molten matrix metal as herein described.

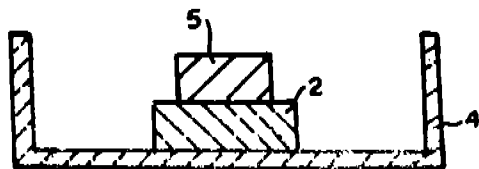


Fig. 1

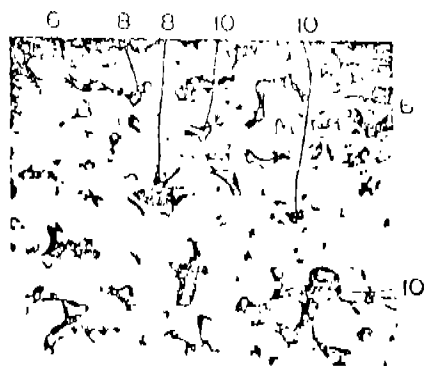


Fig. 2

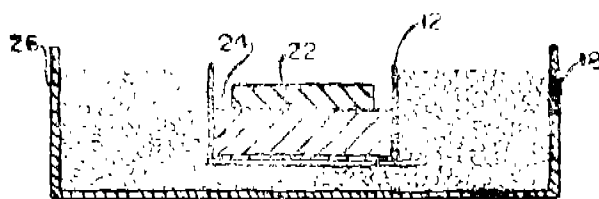


Fig. 4

(Compl. Specn. 57 pages

Drgns. 2 sheets)

Cl : 102 B, D

172870

Int. Cl.: G 05 B 11/60.

HYDRAULIC DRIVE CONTROLLING APPARATUS FOR CONSTRUCTION MACHINE.

Applicant: HITACHI CONSTRUCTION MACHINERY CO. LTD. OF 6-2, OHTEMACHI-2-CHOME, CHIYODAKU, TOKYO, JAPAN.

Inventor: YUKIO AOYAGI.

Application No. 1048/Cal/89; filed on 19th December 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 4 Claims

A hydraulic drive controlling apparatus for a construction machine, comprising:

at least one variable displacement type hydraulic pump;

a plurality of actuators driven with a hydraulic fluid from said hydraulic pump;

directional control valves for controlling said plurality of actuators, said directional control valve being driven in accordance with amounts of manipulation of operation means;

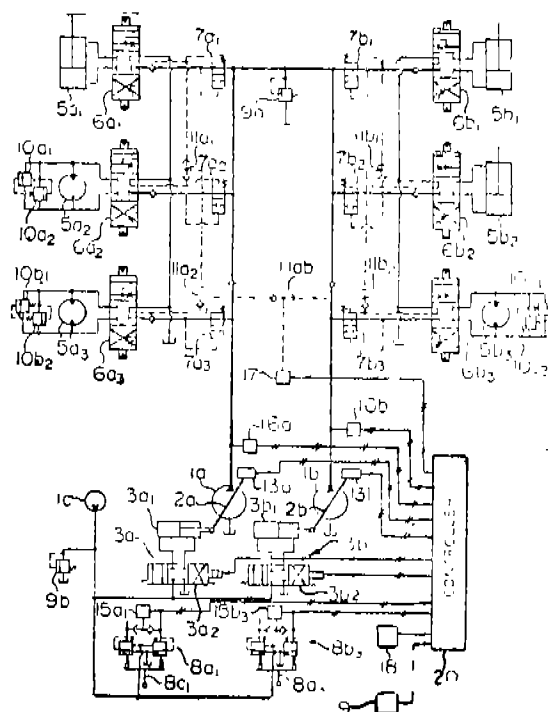
means for detecting a delivery pressure of said hydraulic pump;

means for selecting maximum one of load pressures of said plurality of actuators;

first control means for controlling displacement of said hydraulic pump to bring a differential pressure between the delivery pressure and the maximum load pressure to a specified value;

second control means for controlling the displacement of said hydraulic pump to bring the delivery pressure thereof to a predetermined value;

first command means for selecting a mode of control of the displacement of said hydraulic pump and outputting a corresponding command signal first selection means for selecting one of said first and said second control means depending upon the command signal from said first command means.



(Compl. Specn. 27 pages.

Drgns. 4 sheets)

Cl. : 69 G

172871

## 8 Claims

**Int. Cl. : H01 H 71/00.**

## CIRCUIT BREAKERS.

Applicant: WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

**Inventor :**

- (1) JOHN KEITH LIVESEY,
- (2) ALFRED EUGENE MAIER,
- (3) MELVIN ALLAN CARRODUS.

**Application No. 548/Cal/89, filed on 12th July 1989.**

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

A circuit breaker including a trip bar interlock mounted on a mounting surface, said trip bar interlock comprising an electrically insulating housing having a bottom wall, an operating mechanism for operating the contacts and comprising a pivotally supported releasable member, latching means for latching the releasable member and including a latch lever movable between latched and unlatched positions of the releasable member, trip means including a rotatable trip bar for releasably moving the latch lever into the latched position, the trip bar having a cooperating first surface, means for operating the trip bar in response to predetermined over-current conditions, an actuator provided with a cooperating second surface and so aligned with the path of movement of the cooperating first surface of the trip bar and having an end portion extending through a hole in the bottom wall, and means biasing the actuator end portion against the bottom wall and for moving the second surface against the first surface to rotate the trip bar to tripped position when the circuit breaker is dismounted from the mounting wall.

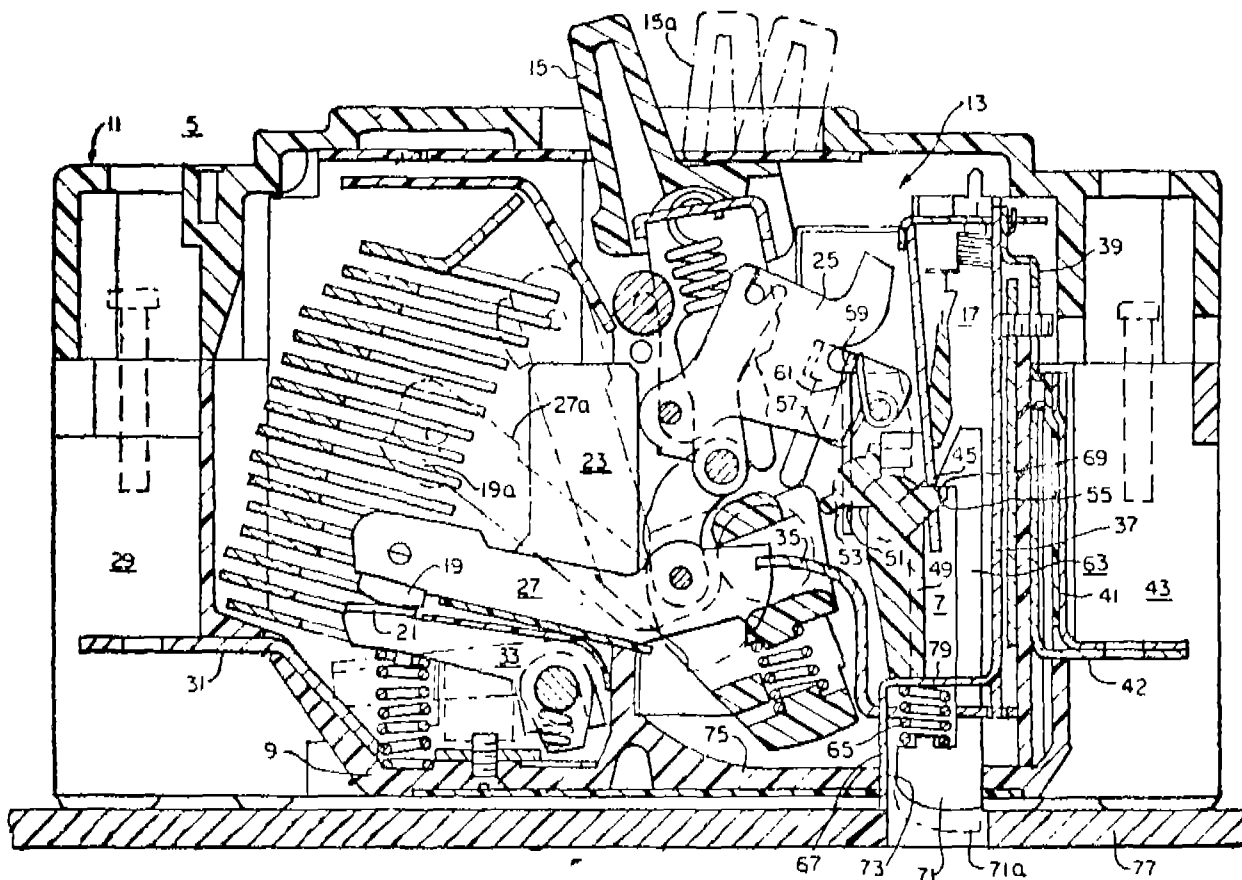


FIG. 1.



Cl.: 194 C.

172872

Application No. 920/Cal/89 filed on 6th November 1989.

Int. Cl.: H01 J 29/48.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

**ELECTRON GUN ASSEMBLY HAVING A REINFORCED HEATER TAB WITH LOCATING MEANS.**

23 Claims

Applicant: THOMSON CONSUMER ELECTRONICS, INC., A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA OF 600 NORTH SHERMAN DRIVE, INDIANAPOLIS, INDIANA 46201, UNITED STATES OF AMERICA.

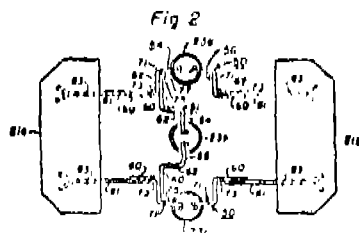
Inventor: JOHN RICHARD HALE.

Application No. 559/Cal/89 filed on 13th July 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

6 Claims

An electron gun assembly for use in a color cathode-ray tube, said gun assembly comprising a pair of insulating support rods, three inline indirectly heated cathodes comprising a center cathode and two outer cathodes for generating three electron beams, attachment means for attaching said cathodes to said support rods, a heater for each of said cathodes, each said heater having a pair of heater legs, characterized by having a pair of reinforced heater tabs associated with said outer cathode, and a conformal heater tab associated with said center cathode, each of said heater tabs having a main body portion comprising a first and a second part, each of said parts being attached to a respective leg of one of said heaters, each of said heater tabs having a pair of outwardly directed feet, each of said feet being connected to a respective part of the parts of the main body portion by a pair of orthogonal legs extending therebetween, said reinforced heater tabs comprising a first reinforcing structure extending between said parts of said main body portion and said orthogonal legs and also a second reinforcing structure extending between said orthogonal legs and said feet, to maintain the rigidity of said reinforced heater tab, oppositely disposed pairs of heater bead straps secured to said support rods, said feet of said reinforced heater tabs being affixed to a different one of said oppositely disposed pairs of heater bead straps to provide a substantially rigid, box-like structure, said feet of said conformal heater tab being attached to one of said orthogonal legs of each of said reinforced heater tabs, and said conformal heater tab being disposed between said reinforced heater tabs; wherein said first reinforcing structure comprises a substantially rectangular first depression interconnecting each of said first and second parts of said main body portion and said orthogonal legs, each said first depression comprising first locating means for positioning said feet of said conformal heater tab on said orthogonal legs of each of said reinforced heater tabs.



(Compl. Specn. 12 pages.

Drngs. 3 sheets)

Cl.: 1E+152 E

172873

Int. Cl.: C08 L 3/00.

**A PROCESS FOR THE MANUFACTURE OF THERMOPLASTICALLY PROCESSABLE STARCH COMPOSITION.**

Applicant and Inventor: IVAN TOMKA, OF SCHUTZENMATTSTR. 1, 5600 LENZBURG, SWITZERLAND, A SWISS NATIONAL.

2—387GI/93

A process for the manufacture of thermoplastically processable starch composition wherein essentially pure or natural starch together with from 5 to 35% by wt. at least one additive substance such as herein described and optionally at least a further additive such as herein described brought to melting by the supply of heat, whereby it concerns at least one substance as the additive substance, which reduces the melting point of the starch together with this additive substance lies below the decomposition temperature of the starch and whereby the additive substance has a solubility parameter of greater than 15 (cal<sup>1/2</sup>cm<sup>3/2</sup>) and the vapour pressure of at least one additive substance is less than 1 bar in the mixture of the additive substance and the starch in a temperature range near the melting point of the starch together with the minimum one additive substance, and finally the mixture of the starch and the additive substance is mixed so long till the melt is more or less homogeneous.

(Compl. Specn. 43 pages.

Drngs. Nil)

Cl.: 77-A, 83-A-2

172874

Int. Cl.: C 07 C 67/00 A23L 1/00.

**PROCESS OF MAKING AN ALL VEGETABLE OIL FAT COMPOSITION FOR USE IN NUTRITIONALLY COMPLETE INFANT FORMULA.**

Applicant: AMERICAN HOME PRODUCTS CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 685, THIRD AVENUE NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventor: RUDOLPH MICHAEL TOMARELLI.

Application No. 833/Cal/90 filed on 28th September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

16 Claims

A process of making of an all vegetable oil fat composition particularly for use in a nutritionally complete infant formula, which process comprises:

- randomization by a conventional method palm oil or palm olein oil and incorporating 20-35%, calculated on the weight of the fat composition, of one or two randomized palmitic acid oils selected from the said randomized palm oil or randomized palm olein oil;
- 25-31%, calculated on the weight of the fat composition, of one or more lauric acid oils selected from coconut oil, babassu oil and palm kernel oil;
- 28-35%, calculated on the weight of the fat composition, of one or more oleic acid oils selected from olive oil, safflower oleic oil, sunflower oleic oil, and canola oil; and
- 8-17%, calculated on the weight of the fat composition of one or more linoleic acid oils selected from corn oil, cottonseed oil, safflower oil, soybean oil, and sunflower oil,

the amounts of the oils being such that the fat composition contains, per 100 parts by weight of total fatty acids present as triglycerides,

- 10-18 parts of lauric acid;

- (ii) 13-24 parts of palmitic acid;
- (iii) 2-5 parts of stearic acid;
- (iv) 30-45 parts of oleic acid; and
- (v) 11-24 parts of linoleic acid.

(Compl. Specn. 23 pages.

Drngs. Nil)

Cl.: 55, B, 2

172875

Int. Cl.: A 23L 3/34, A 61L 25/00, 31/00.  
B 65B 55/02, 55/10.

#### PROCESS FOR REMOVING RESIDUAL HYDROGEN PEROXIDE FROM ITEMS WHICH HAVE BEEN STERILIZED BY EXPOSURE TO HYDROGEN PEROXIDE.

Applicant: SURGIKOS, INC., OF 2500 ARBROOK BOULEVARD, ARLINGTON, TEXAS 76010, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF TEXAS, UNITED STATES OF AMERICA.

Inventor: (1) PAUL TAYLOR JACOBS, (2) SZU-MIN-LIN.

Application No. 878/Cal/90 filed on 16th October 1990.  
(Divided out of No. 14/Cal/88 dated 6-1-88).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 5 Claims

A process of removing residual hydrogen peroxide by its decomposition from items which have been sterilized by exposure to hydrogen peroxide which comprises placing said sterile item containing residual hydrogen peroxide into a plasma chamber and generating in a known manner a plasma around said item at a pressure of from 0.1 to 10 tor for a period of time sufficient as herein described to decompose said residual hydrogen peroxide into nontoxic decomposition products.

(Comp. Specn. 26 pages.

Drngs. 1 sheet)

Cl.: 32 F 3 (b).

172876

Int. Cl.: C07C, 57/04, 121/32.

#### A PROCESS FOR OBTAINING METHACROLEIN AND METHACRYLIC ACID FROM AQUEOUS METHACRYLIC ACID.

Applicant: KURARAY COMPANY LTD., 1621, SAKAZU, KURASHIKI-SHI, OKAYAMA-KEN, JAPAN. (2) MITSUI TOATSU CHEMICALS, INC., OF 2-5, KASUMI-GASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors:

- (1) MORIMASA KURAGANO,
- (2) KOZO IWASAKI,
- (3) TAKESHI ISOBE,
- (4) ISAO FUKADA,
- (5) MINORU KOSHIBE,
- (6) YOSHIHIRO SEZAKI,
- (7) HIROZO SEGAWA,
- (8) KATSUJI YOGUCHI.

Application No. 971/Cal/90 filed on 16th November 1990.

(Divided out of No. 517/Cal/88 dated 24th June 1988).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 3 Claims

A process for recovering methacrolein and methacrylic acid from aqueous solution of methacrylic acid having high boiling byproducts such as benzoic acid, toluic acid, maleic acid, citraconic acid, terephthalic acid and tar-like substances which has been obtained as quenched product in a known process of catalytic oxidation of isobutylene, tertiary

butanol, methacrolein or isobutyl aldehyde using molecular oxygen bearing gas in the presence of steam, which recovery process comprises.

contacting said aqueous solution of methacrylic acid with at least one organic compound, selected from aromatic carboxylic acids and aromatic aldehydes, and metal powder such as stainless steel powder to precipitate corresponding the organic compound of said high boiling byproducts mentioned above,

followed by separating and removing the precipitated organic compounds in a known manner and recovering methacrolein and methacrylic acid free of any organic compound.

(Compl. pecn. 42 pages.

Drngs. 2 sheet)

Cl.: 77-B-1

172877

Int. Cl.: C11B 1/06.

#### METHOD AND APPARATUS OF COLLECTING FAT AND OIL.

Applicant: YUGEN KAISHA YAMAMOTO-GIKEN, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF JAPAN, OF 8-9, HIGASHI-UENO 1-CHOME, DAITO-KU, TOKYO, JAPAN.

Inventor: KOJI ABE.

Application No. 354/Cal/91 filed on 7th May 1991.

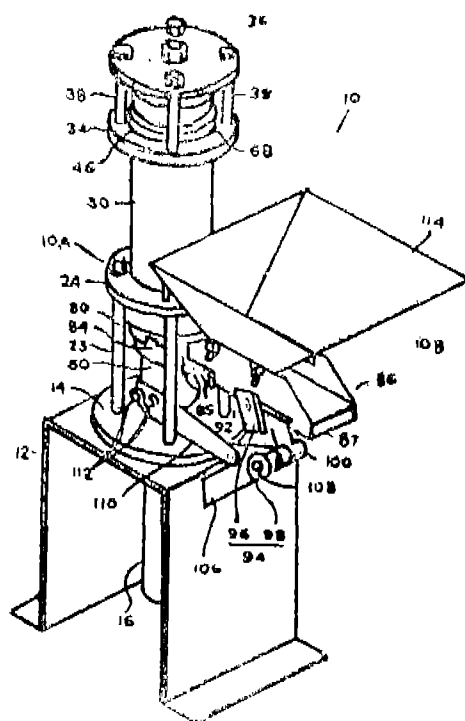
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

#### 25 Claims

A method of extracting fat and oil from a fatty material comprising:

(a) a preparatory step of, while an amount of material is being fed into a container of an apparatus, such as herein described, repeating a pressure applying action and a pressure releasing action alternately until the pressure comes to a desired rate; and

(b) a main step of repeating a first procedure of performing another feeding of the material without discharging the previous material compressed at said preparatory step and a second procedure of pressing the material or collection of fat and oil after the first procedure and discharging used portions of the material by opening a part of the container.



Inventor :

- (1) FABIO ANIMATI,
- (2) PAOLO LOMBARDI AND
- (3) FEDERICO ARCAMONE.

Application No. 359/Cal/91 filed on 13th May 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972), Patent Office, Calcutta.

## 6 Claims

A process for preparing 8-fluoroanthracyclineglycosides of formula (I) shown in the accompanying drawings where:

 $R = H, OH, OR'';$ 
 $R_1 = H, OR, OCH_3;$ 
 $R'' = CHO-COCH_3$  or an acyl residue derived from a carboxylic acid containing up to 6 carbon atoms;

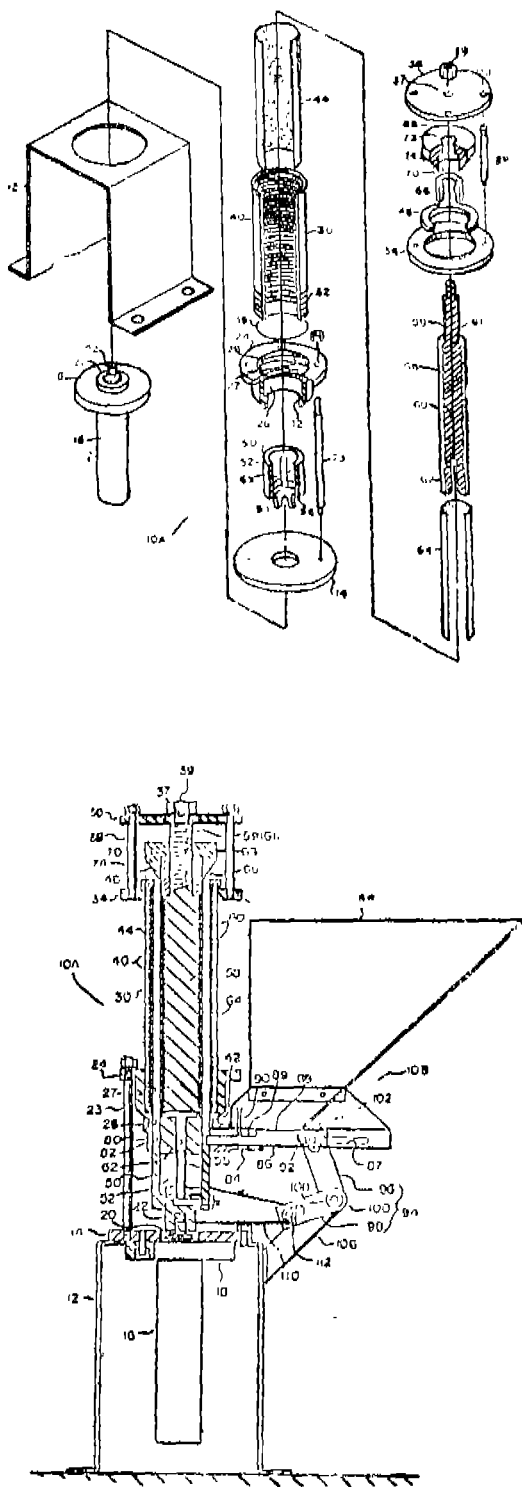
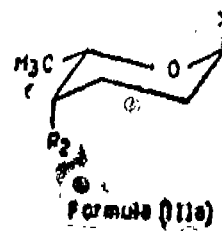
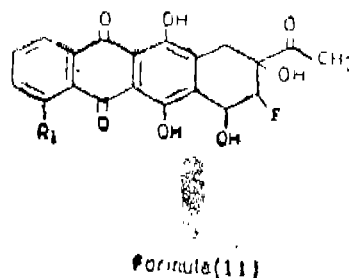
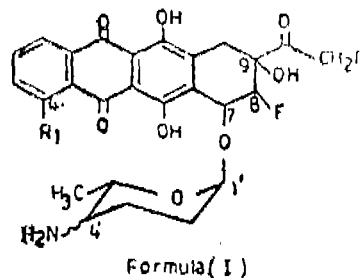
and (N) indicates that the amino substituent can be in the axial or equatorial configuration,

and optionally their pharmaceutically acceptable salts comprising the following steps:

(a) condensing 8-fluoroanthracyclinone of formula (II) shown in the drawings, in which  $R_1$  has the above meaning with a compound of formula (IIIa) or (IIIc) shown in the drawings, in which X is chlorine or a p-nitrobenzoyloxy group and  $R_2$  is a trifluoroacetamide or allyloxycarbonyl group to obtain the N-protected glycoside of formula (IV) shown in the drawings, wherein  $R_1$  and  $R_2$  are as above defined and (✓) indicates that the substituent  $R_2$  can be in the axial or in the equatorial configuration;

(b) removing the protecting trifluoroacetyl group by mild alkaline hydrolysis and optionally the allyloxycarbonyl group by the action of organic nickel or palladium complexes in order to obtain the 8-fluoroanthracycline glycoside of formula (I) wherein  $R = H$  and  $R_1$  is as above defined.

(c) optionally converting said glycoside of formula (I) wherein  $R = H$  and  $R_1$  is as above defined into a pharmaceutically acceptable salt thereof.



(Compl. Specn. 36 pages.

Drngs. 8 sheet)

Cl.: 32 F 3d, 55E 4.

172878

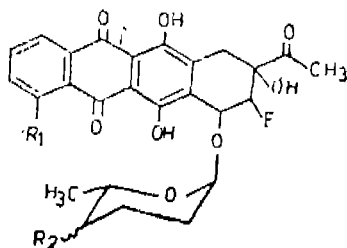
Int. Cl.: C07H 17/00, A61K 31/00.

A PROCESS FOR PREPARING 8-FLUOROANTHRA-CYCLINEGLYCOSIDES.

Applicant: A. MENARINI INDUSTRIE FARMACEU-TICHE RIUNITE S.r.l., AN ITALIAN LIMITED LIAB-I-LITY COMPANY, VIA SETTE SANTI, 3, 50131 FLO-RENCE, ITALY.



Formula (IIIc)



Formula (IV)

(Compl. Specn. 35 pages.)

Drugs. 3 sheets)

Cl.: 32 F 3(c)

172879

Int. Cl. A61 H 5/10, C07G 7/04, C07B 41.02, 43/04.

A PROCESS FOR PREPARING RADIOACTIVE METAL COMPLEX FOR USE AS X-RAY DIAGNOSTICS AND ANTI-TUMOR AGENTS.

Applicant: LABORATORIEN HAUSMANN AG., OF RECHENSTRASSE 37, CH-9001 ST. GALLEN, SWITZERLAND.

Inventors :

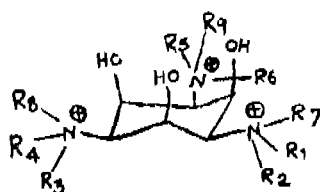
- (1) ISIDOR ERNI,
- (2) WALTER SCHNEIDER,
- (3) HANS KASPAR HEGETSCHWEILER, AND
- (4) PETER GEISSER.

Application No. 665/Cal/91 filed on 5th September 1991.

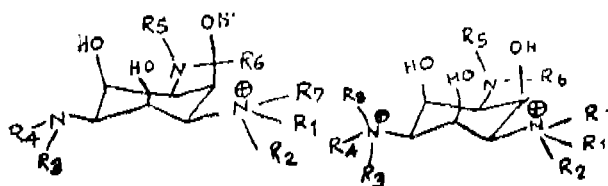
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 11 Claims

A process for the preparation of radioactive metal complexes for use as X-ray diagnostics and anti-tumor agents, characterized by reacting (a) all-cis-1, 3, 5-triamino-2, 4, 6-trihydroxycyclohexane derivatives corresponding to the general formula (I) wherein the symbols R1, R2, R3, R4, R5 and R6 are identical or different and represent hydrogen atoms, alkyl groups or -CO-alkyl groups, wherein the alkyl in the alkyl or -CO-alkyl groups has 1 to 18 carbon atoms and the alkyl and -CO-alkyl groups may contain, independently of one another, one or more identical or different functional groups, their salts with pharmacologically commonly used inorganic or organic acids, their quarternary ammonium salts corresponding to the general formula (II), (IIa) or (IIb) wherein R1, to R6 and R7, R8 and R9 denote, independently of one another, the above defined unsubstituted or substituted alkyl groups or -CO-alkyl groups, or all-cis-1, 3, 5-triamino-2, 4, 6-cyclohexanetriol derivatives corresponding to the general formula wherein the substituents on the nitrogen atoms are H or CH3, independently of one another, dissolved or dispersed in water with (b) an aqueous solution or dispersion of a salt, hydroxide or oxide of a radioactive metal as herein described, and wherein the salt, hydroxide or oxide of the radioactive metal is reacted with the derivative of formulae (I), (II), (IIa) or (IIb) in a molar ratio of 1:2 or with the derivative of formula (III) or (IV) in a molar ratio of 1:1.

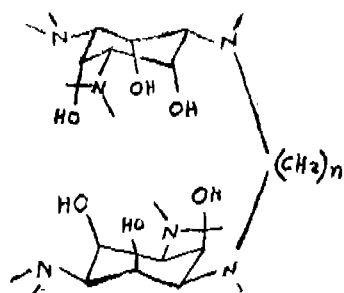


II



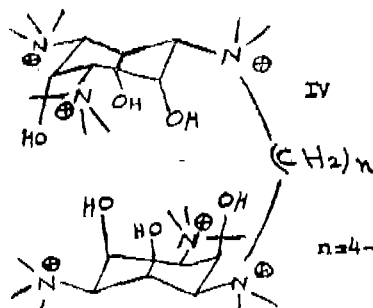
IIa

IIb

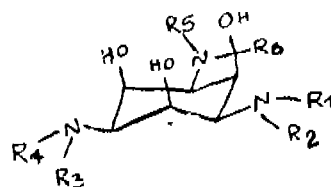


III

or



IV



(Compl. Specn. 19 pages.)

Drugs. Nil)

Cl. : 55B2+C, 83B2+B5.

172880

Inventors :

- (1) THOMAS LOUIS F FAVRE.
- (2) RONALD HAGE.
- (3) KARIN VAN DER HELMRADEMAKER.
- (4) JEAN HYPOJITES KOEK.
- (5) RUDOLF JOHAN MARTENS.
- (6) TON SWARTHOFF.
- (7) MARTEN ROBER P. VAN VLIJER.

Int. Cl.: A61L 2/16, 2/20, A23L 3/34,  
A21D 15/00, B65B 55/00, 55/18.

APPARATUS FOR THE TREATMENT OF ARTICLES  
FOR DESTROYING OF GERMS.

Applicant: (1) MINATO COMPANY, LTD., A JAPANESE COMPANY, OF 1-16 FIRAKU-CHO, MINAMI-KU, YOKOHAMA-SHI, KANAGAWA-KEN, JAPAN; AND (2) THE GREEN CROSS CORPORATION, OF 3-3, IMABASHI 1-CHOME, CHUO-KU, OSAKA-SHI, OSAKA, JAPAN.

Inventor: (1) CHIAKI OHAMA, (2) KEISUKE KATO.

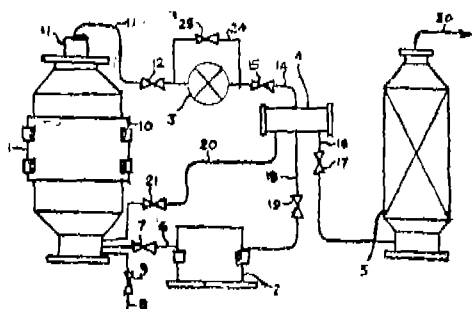
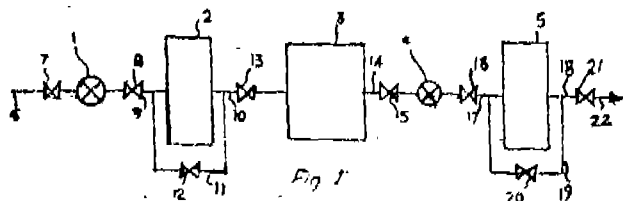
Application No. 16/Cal/92 filed on 9th January 1992.

(Divided out of No. 448/Cal/90 dated 28th May 1990).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 2 Claims

An apparatus for the treatment of an article for destroying germs such as herein described, characterized in that said apparatus comprises a germ-destroying treatment chamber provided with a feed conduit for introducing vapors or liquid microdroplet of an isothiocyanate such as herein described into said treatment chamber therethrough and a discharge conduit for discharging the atmosphere gas from said treatment chamber therethrough; a storage vessel connected to said feed conduit and accommodating said isothiocyanate; and a device connected to said discharge conduit for removing vapors of the isothiocyanate.



(Compl. Specn. 53 pages.)

Drngs. 2 sheets)

Ind. Cl. : 170 B XLIII (4)+40 B IV (1)

172881

Int. Cl. : C 01 G—45/00

C 11 D—3/395

## BLEACHING COMPOSITION.

Applicants: HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Application No. 146/Bom/1991 filed on 20-5-1991.

U.K. Priority date 21-5-1990 and 18-12-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules 1972), Patent Office Branch, Bombay-13.

## 19 Claims

A bleaching composition comprising (i) 2 to 30% by weight of a peroxy compound (ii) a bleaching and oxidation catalyst comprising a manganese-based co-ordination complex of the general formula (A) of the accompanying drawings;

wherein Mn is manganese in the IV-oxidation state; n and m are independent integers from 2-8; x represents a co-ordination or bringing species; p is an integer from 0-32; Y is a counter-ion, the type of which is dependent on the charge z of the complex which can be positive, zero or negative; q=z [charge Y]; and L is a ligand which is the organic molecule containing a number of hetero-atoms selected from N, P, O, and S, which co-ordinates via all or some of its hetero-atoms and/or carbon atoms to the Mn (IV)-center (S), which latter are anti-ferromagnetically coupled, or a bleaching and oxidation catalyst precursor being a manganese-based co-ordination complex which, in the presence of the peroxy compound, is transformed into a Mn(IV)-based co-ordination complex with anti-ferromagnetically coupled Mn (IV)- centers

said catalyst or catalyst precursor being present at a level corresponding to a manganese content of from 0.0005% to 1.0% by weight in the bleaching composition.

(Compl. Specn. 47 pages;

Drngs. 3 sheets)

Ind. Cl. 40 B [IV(1)]

172882

Int. Cl. : C 10 G—11/02, 11/05.

FCC PROCESSING USING CATALYST COMPOSITIONS CONTAINING METAL ION-EXCHANGED ZEOLITES.

Applicants: HINDUSTAN LEVER LTD. 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventor : ABRAHAM ARAYA.

Application No. 172/Bom/1991 filed Jun 11, 1991.

U.K. Convention date Jun 11, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules. 1972) Patent Office, Bombay Branch.

## 19 Claims

A method of cracking a vanadium and/or nickel containing hydrocarbon feedstock, which method comprises contacting the feedstock with a zeolite catalyst composition comprising a zeolite Y incorporated within a matrix, the zeolite Y containing metal ions selected from zinc, copper, cobalt, gallium, germanium, indium, tin and iron.

(Compl. Specn. 22 pages;

Drngs. Nil)

Ind. Cl. 120 B 5 Gr. [LIV(2)]

172883

Int. Cl.: F 16 N-39/06.

**A ROTARY TYPE DUPLEX FILTER.**

Applicants: KIRLOSKAR PNEUMATIC CO. LTD.  
HADAPSAR INDUSTRIAL ESTATE, PUNE-411 013,  
MAHARASHTRA, INDIA. AN INDIAN COMPANY  
DULY REGISTERED AND INCORPORATED UNDER  
THE COMPANY'S ACT, 1956.

Inventors:

- (1) VILASCHANDRA GIRIDHAR LELE.
- (2) GOPAL LAXMAN DESAI.
- (3) DEEPAI. SHARAD DUNAKHE.

Application No. 78/Bom/1991 filed on 19th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

**1 Claim**

A rotary type duplex filter comprising two filter containers, a header connected to a pipe line via a rotary spindle having a lever used as a handle; characterised in that the said spindle is having two cut slots at distance on its diameter such that at one rotated position of the said spindle one of the filter containers is connected to pipe line and in the second rotated position of the said spindle the second filter container is connected to the said pipe line; further characterised in that at middle rotated position of the said spindle both the said filter containers are connected to the pipe line.

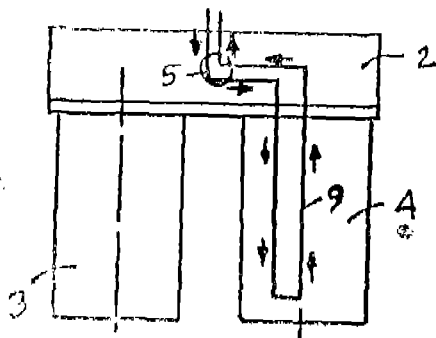


Fig. 2.

(Compl. Specn. 6 pages;

Drngs. 2 sheets)

Ind. Cl.: 120 B 2 &amp; B 5 Gr. (LIV)

172884

Int. Cl.: F 16 N-7/36 and 13/20.

**AN IMPROVED OIL PUMP DRIVE ASSEMBLY FOR COMPRESSOR OF THE EXPRESSOR USED IN THE DIESEL ELECTRIC LOCOMOTIVE.**

Applicants: KIRLOSKAR PNEUMATIC CO. LTD.  
HADAPSAR INDUSTRIAL ESTATE, PUNE-411 013  
MAHARASHTRA STATE INDIA, AN INDIAN COM-  
PANY DULY REGISTERED AND INCORPORATED  
UNDER THE COMPANY'S ACT, 1956.

Inventors:

- (1) VILASCHANDRA GIRIDHAR LELE.
- (2) BABAN SADASHIV UDAWANT.
- (3) GIRISH YESHWANT DABADGHAV.

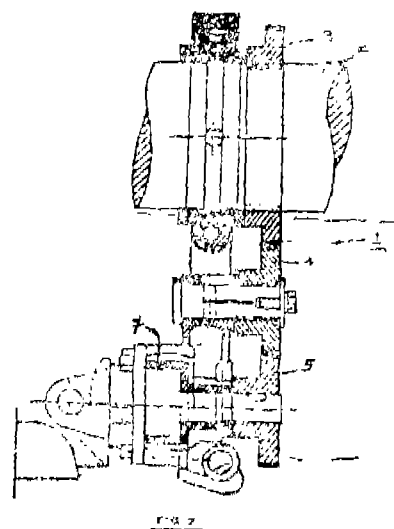
Application No. 79/Bom/1991 filed on 19th March 1991.

Appropriate office for opposition proceedings (Rule 4 Patent Rules, 1972) Patents Office Branch, Bombay-13.

**1 Claim**

Improved oil pump drive assembly for compressor of the expressor used in the diesel electric locomotive comprising an oil pump assembly run by a gear train driven mechanism consisting of a main driving gear, mounted on the crank shaft

of the compressor, which in turn, rotates an idler gear, the said idler gear engages on the other side with the driven gear of the oil pump, the said driven gear drives the main oil pump gear of the oil pump assembly to accomplish positive displacement of lubricating oil by avoiding the use of any chain and sprocket mechanism.



(Comp. Specn. 3 pages;

Drngs. 2 sheets)

Ind. Cl.: 55 E\* (XIX)

172885

Int. Cl.: A 61 K 7/28; A 61 K 37/48.

**PROCESS FOR PREPARING A THERAPEUTIC/COSMETIC PREPARATION.**

Applicants: HINDUSTAN LEVER LTD., 165/166,  
BACKBAY RECLAMATION, BOMBAY-400 020, MAHA-  
RASHTRA, INDIA.

Inventors: 1. THOMAS STEWART BEGGS  
2. PAUL JAMES DAVIS.

Application No. 83/BOM/1991 filed on March 21, 1991.

U.K. Convention date March 21, 1990 &amp; October 5, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

**13 Claims**

A process for preparing a therapeutic/cosmetic preparation, which process comprises incorporating:

- (i) a first antibody or antibody fragment to bind to a target site, such as herein described, and
- (ii) one or more further antibodies or antibody fragments able to collectively to bind by means of antibody-antigen binding both to an active agent such as herein described and to the first antibody or fragment, thereby to attach the agent to the target site, into one or more substances serving as a vehicle or separate vehicles such as herein described, to carry the antibodies to antibody fragments.

(Comp. Specn. 42 pages,

Drngs. 3 sheets)

Ind. Cl. 55E 2 [XIX (1)]

172886

Ind. Cl.: A 61 K—7/28,  
A 61 K—37/48.**PROCESS FOR PREPARING A ORAL PREPARATION.**

Applicants: HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: (1) THOMAS STEWART BEGGS  
(2) PAUL JAMES DAVIS.

Application No. 84/Bom/1991 filed March 21, 1991.

U.K. Convention date March 21, 1990 and October 5, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

**14 Claims**

A process for preparing a product which is for use in the mouth and comprises at least one enzyme and at least one antibody or antibody fragment together with one or more substances which serve as a vehicle(s) thereof and are acceptable to be taken in the mouth, the said process comprising incorporating into a single said vehicle or distributing between a plurality of said vehicles:

(i) at least one of two enzymes which are an enzyme for generating an agent active against a target site in the mouth and a second enzyme for generating an intermediate which is a substrate for the first enzyme, and

(ii) at least one antibody or antibody fragment able to bind to the target site;

wherein each said enzyme is attached to a said antibody or antibody fragment or the process further comprises incorporating means to bind the enzyme to said antibody or antibody fragment at the time of use whereby in use the enzymes are coupled to the target site in proximity to each other.

(Comp. Specn. 36 pages;

Drngs. 4 sheets)

Ind. Cl.: 55 E 2 [XIX (1)]

172887

Ind. Cl.: A 61 K—7/28, 37/48.

**PROCESS FOR PREPARING A THERAPEUTIC/COSMETIC PRODUCT.**

Applicants: HINDUSTAN LEVER LTD., HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: (1) THOMAS STEWART BEGGS AND (2) PAUL JAMES DAVIS.

Application No. 85/Bom/1991 filed on 21-3-1991.

U.K. Convention priority date 21-3-1990 and 5-10-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

**14 Claims**

A process for preparing a therapeutic/cosmetic product which process comprises incorporating:

(i) at least one of two enzymes which are an enzyme such as herein described for generating an agent active against a target such as herein described and a second enzyme such as herein described for generating an intermediate which is a substrate for the first enzyme, and

(ii) linking means such as herein described which are attached or attachable to both enzymes so that the linking means provide a connection between the enzymes, coupling them to each other, at least at the time of use, into one or more substances serving as a vehicle or separate vehicles such as herein described to carry the enzyme(s) and linking means.

(Comp. Specn. 32 pages;

Drngs. 5 sheets)

Ind. Cl.: 189 [LXVI (9)]

182888

Int. Cl.: A 61 K—7/40.

**WATER-IN-SILICONE OIL EMULSION SUITABLE FOR TOPICAL APPLICATION TO MAMMALIAN SKIN OR HAIR AND PROCESS FOR PREPARING SAME.**

Applicants: HINDUSTAN LEVER LTD. 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: (1) GREGG ALAN NICOLI, (2) AMN CAMILLA OJO OSAGIE, (3) MAVIS CLAIRE PEREIRA.

Application No. 127/Bom/1991 filed May 7, 1991.

U.K. Convention date May 10, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

**25 Claims**

A water-in-silicone oil emulsion, suitable for topical application to mammalian skin or hair, which comprises, in addition to water;

(i) from 1 to 50% by weight of a volatile polydimethylsiloxane;

(ii) from 0.1 to 25% by weight of a silicone surfactant;

(iii) from 0.1 to 10% by weight of a 2-hydroxyalkanoic acid having from 3 to 28 carbon atoms, or a salt, soap, acid-soap thereof, or mixtures thereof;

(iv) from 1 to 10% by weight of ultrafine titanium dioxide having an average particle size of from 1 to 100 nm; and

(v) from 0.001 to 10% by weight of an inorganic electrolyte.

(Comp. Specn. 37 pages;

Drngs. Nil)

Ind. Cl.: 189, Gr. [LXVI (9)]

172889

Int. Cl.: A 61 K—7/40.

**A COMPOSITION FOR TOPICAL APPLICATION TO HUMAN SKIN TO PROVIDE PROTECTION FROM EXCESSIVE EXPOSURE TO ULTRA-VIOLET RAYS.**

Applicants: HINDUSTAN LEVER LIMITED OF HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY-400 020, MAHARASHTRA, INDIA A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

Inventors: 1. GREGG ALAN NICOLI  
2. IAN RICHARD SCOTT.

Application No. 129/BOM/1991 filed on 7th May 1991.

U.K. priority dated 10th May 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

**11 Claims**

A composition for topical application to human skin to provide protection from excessive exposure to ultra-violet rays, which comprises:

(a) an effective amount of ultrafine titanium dioxide as an inorganic sunscreen;

(b) an effective amount of octyl methoxycinnamate as an organic sunscreen; and

(c) a cosmetically acceptable vehicle for the sunscreens;

the weight concentration of the titanium dioxide and octyl methoxycinnamate being within the region designated A in the accompanying drawing.

(Comp. Specn. 32 pages;

Drngs. 1 sheet)

Ind. Cl. : 77 B. [XI (1)] &amp;

172890

77 D [XI (1)]

Int. Cl. : C 07 C—175/00.

NATURAL CAROTENF CONCENTRATES AND PROCESS FOR PREPARING THE SAME.

Applicants : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, BOMBAY-400 020.

Inventors : (1) ANTHONIE KUNST AND MARCELLINUS JACOBUS JOHANNES.

Application No. 136/BOM/1991 filed on 10-5-1991.

U.K. priority date 19-3-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 6 Claims

A process for the preparation of a concentrate of natural colouring agents from organic media selected from fatty acid glycerides derived from natural sources, and organic media containing fatty acids and fatty acid esters derived therefrom, in which the organic medium, together with a volatile solvent such as herein described is subjected to gel permeation chromatography.

(Comp. Specn. 12 pages,

Drgns. Nil)

Ind. Cl. : 55 E 4 XIX (1)

172891

32 F 2 B IX (1).

Int. Cl. : C 07 D—311/00.

A NOVEL PROCESS FOR THE PREPARATION OF PHARMACOLOGICALLY ACTIVE 6B—(3-substituted AMINO PROPIONYL) -7- deacetylforskolin derivatives.

Applicants : HOECHST INDIA LTD. HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA, AN INDIAN COMPANY.

Inventors :

- (1) DR. YATENDRA KHANDEWAL.
- (2) DR. BANSILAL.
- (3) DR. JURGENS BLUMBACH.

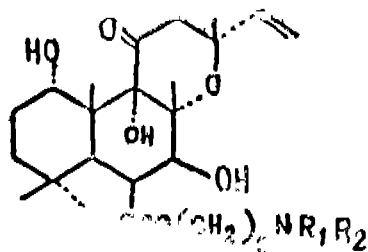
Application No. 112/Bom/1990 filed on 11-5-1990.

Complete after provisional left on 8-8-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

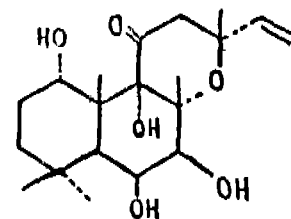
## 2 Claims

A novel process for the preparation of pharmacologically active 6B— (3-substituted aminopropionyl)-7- deacetylforskolin derivatives of the formula I.



FORMULA I

shown in the drawings accompanying the provisional specification, wherein R<sub>1</sub> and R<sub>2</sub> each stands for hydrogen, alkyl, substituted alkyl, aryl, aralkyl or dialkylaminoalkyl, R<sub>1</sub> and R<sub>2</sub> together with the nitrogen to which they are attached may form a heterocycle which may contain in additional heteroatom such as N, O, S and is optionally substituted at one or more places by groups such as alkyl, alkoxy, hydroxyl, halogen or aryl and pharmaceutically acceptable salts thereof, comprising treating 7-deacetylforskolin of the formula II.



FORMULA II

shown in the drawings accompanying the provisional specification with 3-halopropionyl halide in the presence of an organic base such as herein described in an aprotic solvent such as herein described at 0-120°C, concentrating the reaction mixture under vacuo to dryness, treating the concentrate with a water miscible solvent such as herein described with or without water and an aqueous base such as herein described followed by an amine or aqueous amine such as herein described in excess

and if desired converting the compound of the formula I into its pharmaceutically acceptable salt.

(Provn. Specn. 6 pages;

Drgns. 1 sheet)

(Comp. Specn. 11 pages;

Drgns. 1 sheet)

Ind. Cl. : 55 E4 [XIX (1)]

172892

Int. 32 F (b) [IX (1)]

A PROCESS FOR THE PREPARATION OF 6- (3-SUBSTITUTED AMINO) PROPIONYL FORSKOLIN DERIVATIVES, HAVING PHARMACOLOGICAL PROPERTIES USING THE 1, 9-O ISO PROPYLIDENE PROTECTION GROUP.

Applicants : HOECHST INDIA LTD., HOECHST HOUSE, NARIMAN POINT, 193, BACKBAY RECLAMATIONS, BOMBAY-400 021. MAHARASHTRA, INDIA.

Inventors :

1. DR. NOWL JOHN DE SOUZA,
2. DR. ADOLF D'SA,
3. SAMBA LAXMAN KATTIGE,
4. GULAB BAJIRAO PADWAL &
5. DR. JURGENS BLUMBACH.

Application No 113/BOM/90 filed on May 11, 1990.

Complete after Prov. left on Aug 8, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

## 5 Claims

A process for the preparation of 6- (3-substituted amino) propionyloxyforskolin derivatives having pharmacological properties and of the formula I shown in the drawings accompanying the provisional specification wherein R<sub>1</sub> and R<sub>2</sub> each stands for hydrogen, alkyl, substituted alkyl, aryl, aralkyl or dialkylamino alkyl, R<sub>1</sub> and R<sub>2</sub> together with the nitrogen to which they are attached form a heterocycle which may contain an additional heteroatom such as N, O or S and is



optionally substituted at one or more places by groups such as alkyl, alkoxy, hydroxyl, halogen or aryl and pharmaceutically acceptable salts thereof comprising:

(i) treating forskolin of the formula II shown in the drawings accompanying the provisional specification with an acid such as hydrogen chloride or sulphuric acid in the presence of anhydrous acetone at 0-5°C to obtain 1, 9-O-isopropylidene derivative of the formula III shown in the drawings accompanying the provisional specification;

(ii) treating the compound of the formula III with an aqueous alkali such as sodium hydroxide in the presence of an alcohol such as methanol at ambient 60°C to obtain deacetyl derivative of the formula IV shown in the drawings accompanying the provisional specification.

(iii) treating the compound of the formula IV with B-chloropropionyl chloride in the presence of an organic solvent such as toluene and base such as triethylamine at 0°C to ambient temperature to obtain compound of the formula V shown in the drawings accompanying the provisional specification;

(iv) treating the compound of the formula V with an aqueous alkali such as sodium hydroxide in the presence of an organic solvent such as acetonitrile, isopropanol or acetone

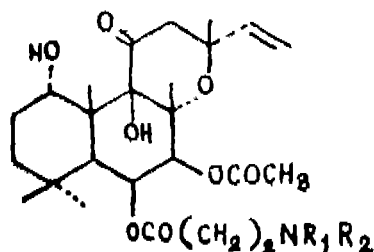
at 0-5°C to obtain 6B- acryloyl derivative of the formula VI shown in the drawings accompanying the provisional specification;

(v) acylating the compound of the formula VI with an acylating reagent such as mixture of acetic anhydride-pyridine or acetylchloride-pyridine or acetylchloride in the presence of absence of an organic solvent such as methylene chloride to obtain the compound of the formula VII shown in the drawings accompanying the provisional specification.

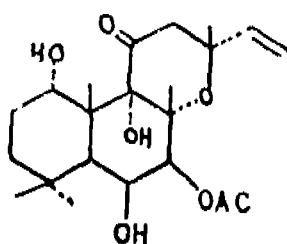
(vi) treating the compound of the formula VII with an amine of the formula  $\text{HNR}_1\text{R}_2$ , wherein  $\text{R}_1$  and  $\text{R}_2$  have the meaning as defined above at 0°C to the boiling point of the amine in the absence or presence of a solvent to obtain the compound of the formula VIII shown in the drawings accompanying the provisional specification;

(vii) deprotecting the compound of the formula VIII at the 1, 9-positions by adjusting the pH of the reaction mixture to 1.0-3.5 with 2  $\text{NHCl}$  at 0°C to 80°C to obtain the compound of the formula I;

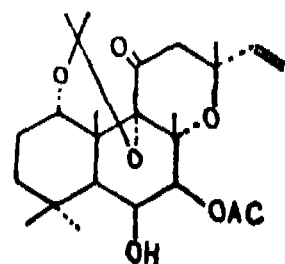
(viii) and if desired converting the compound of the formula I into its pharmaceutically acceptable salts in known manner.



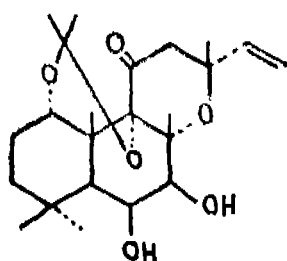
FORMULA I



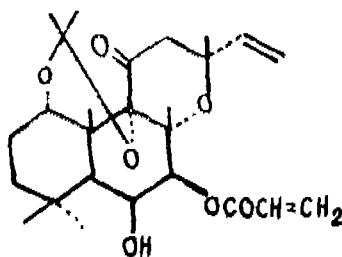
FORMULA II



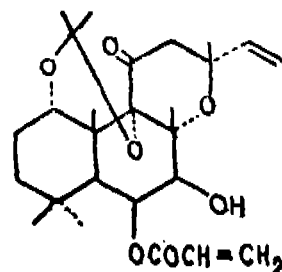
FORMULA III



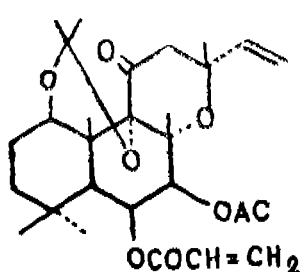
FORMULA IV



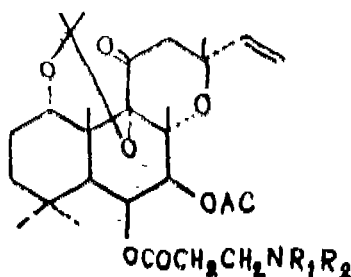
FORMULA V



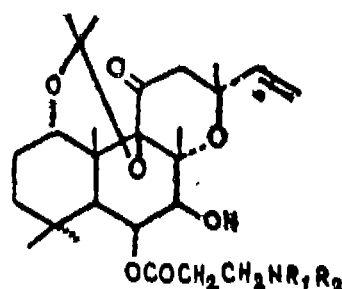
FORMULA VI



FORMULA VII



FORMULA VIII



FORMULA IX

(Comp. Specn. 8 pages,  
(Prov. Specn. 10 pages;

(Drg. 1 sheet)  
(Drgs. 3 sheets)

Ind. Cl.: 32 F 2 (b)—IX (1)  
55 E 4 XIX (1)

Int. Cl.: C 07 D—311/00.

A NOVEL PROCESS FOR THE PREPARATION OF PHARMACOLOGICALLY ACTIVE 6-ACYL, 7-ACYL AND 6, 7-DIACYL ANALOGUES OF FORSKOLIN AND DERIVATIVES THEREOF.

Applicants: HOECHST INDIA LTD., AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT HOECHST HOUSE, NARIMAN POINT, 193 BACKBAY RECLAMATION, BOMBAY-400 021, MAHARASHTRA, INDIA.

Inventors:

- (1) DR. NOEL JOHN DE SOUZA.
- (2) DR. PREMANAND DURGARAO DESAI.
- (3) SHRIKANT VISHWANATH SAVANUR
- (4) DR. JURGENS BLUMBACH.

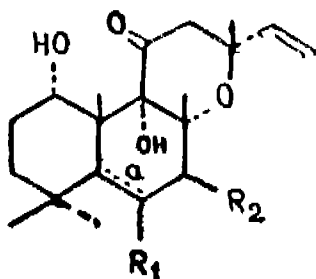
Application No. 114/Bom/1990 filed on 11-5-1990.

Complete after provisional filed on 8-8-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Bombay-13.

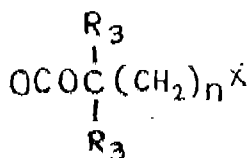
### 3 Claims

A novel process for the preparation of pharmacologically active 6-acyl, 7-acyl, and 6, 7-diacyl analogues of forskolin and derivatives thereof represented by the formula I



**FORMULA I**

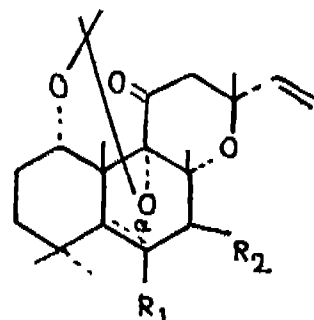
shown in the drawings accompanying the provisional specification, wherein  $R_1$  and  $R_2$  which may be the same or different stand for hydroxyl, acetoxy or a group shown in Fig. 1,



**FIG. 1**

of the drawings accompanying the provisional specification wherein  $R_3$  stands for hydrogen, or alkyl group,  $n$  stands for integer 0 to 10 and  $X$  stands for hydrogen, halogen or alkyl or the group  $NR_4R_5$ , wherein  $R_4$  and  $R_5$  when they are the same stand for hydrogen or alkyl and when they are not the same  $R_4$  stands for hydrogen and  $R_5$  stands for alkyl, aryl, aralkyl or substituted alkyl or  $R_4$  and  $R_5$  together with the nitrogen to which they are attached form heterocycle which may contain one or more heteroatom(s) such as N, O or S and is optionally substituted at one or more positions by substituents such as halogen, alkyl, hydroxy, alkoxy, carboxyl, nitro or cyano group or the group  $CONR_6R_7$ , wherein

$R_6$  and  $R_7$  have the same meanings as given for  $R_4$  and  $R_5$  respectively; and 'a' stands for an optional additional bond between the carbon atoms  $C-3$  and  $C-6$ , with the proviso that when it is present, then  $R_1$  stands for hydrogen only and  $R_2$  has the same meaning as defined above, and pharmaceutically acceptable salts thereof, from compounds of the formula II.



**FORMULA II**

shown in the drawings accompanying the provisional specification, wherein  $R_1$ ,  $R_2$  and 'a' are as defined above which comprises removing the 1, 9-O-isopropylidene group from the compound of the formula II by treating a solution of compound of the formula II with a reagent such as herein described in the presence or absence of a solvent such as herein described at a pH of 1.0-3.5 and at  $0^\circ\text{C}$  to  $80^\circ\text{C}$  and recovering the compound of the formula I from the reaction mixture in a known manner and if desired converting the compound of the formula I into its pharmaceutically acceptable salt in a known manner.

(Provn. Specn. 21 pages;

Drngs. 2 sheets)

(Comp. Specn. 17 pages;

Drngs. 1 sheet)

Ind. Cl.: 189 [LIVI (9)]

172894

Int. Cl.: A 61 k; 7/075,

### SHAMPOO COMPOSITION.

Applicants: HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors:

1. DROBRAH JANE FORSTER.
2. DAVID ANDREW HITCHEN &
3. EUAN ST ART REID.

Application No. 139/BOM/1990, filed May 30, 1990.

U.K. convention priority date 30-5-89.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

### 11 Claims

An aqueous shampoo composition comprising, in addition to water.

(a) from 2 to 40% by weight of surfactant chosen from anionic, nonionic or amphoteric surfactants, or mixtures thereof;

(b) from 0.01 to 10% by weight of insoluble, non-volatile silicones;

(c) from 0.5 to 5% by weight of suspending agent chosen from polyethylene glycol no. or di-esters of C16-22 fatty acid, having from 2 to 7 ethylene oxide groups.

(Comp. Specn. 15 pages;

Drngs. Nil)

Ind. Cl.: 164 A II (3)

172895

Int. Cl.: C02F-3/26.

**IMPROVEMENTS IN OR RELATING TO REMOVAL OF IMPURITIES SUCH AS PHENOLS TOXICANTS, COLOUR AND THE LIKE FROM WASTE WATER TO PERMISSIBLE LEVEL.**

Applicants: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, A SOCIETY REGISTERED UNDER THE SOCIETIES REGISTRATION ACT, XXI, OF 1860, OF P.O. POLYTECHNIC, AHMEDABAD-390 015, GUJARAT, INDIA.

Inventors:

1. SHAILESH RASIKCHANDRA BHATT.
2. BHARAT SIDDHARTH PARIKH.
3. RAJINDRAKUMAR DAHYALAL THAKKAR.
4. JAYANTIBHAI PURSHOTTAMDAS PATEL.
5. JAYSHREEBEN CHANDRAPRAKASH, PATEL.
6. MILAN SURESHCHANDRA DAVE.
7. NIKHIL KISHORCHANDRA DIXIT.

Application No. 162/BOM/1990, filed on 19-6-1990.

Complete after provisional left on 14-6-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch Bombay-13.

## 5 Claims

Process of removing impurities such as phenols, COD, colour and Toxicants (such as cyanides) to permissible levels from waste water generated in manufacturing dyestuffs and dye intermediates and textile processing industries, comprising: passing predetermined quantity of Ozone in the form of fine bubbles from the bottom of a column containing the said highly contaminated waste water, and granulated activated Carbon, so as to fluidise the activated carbon powder and to form fluidised bed, resulting in increased interfacial area for Ozone gas between the activated carbon and the waste water whereby the impurities in the waste water are oxidised into low molecular polar biodegradable compounds which get adsorbed at said activated carbon surface, and the said biodegradable compounds are maintained in contact with waste water in the fluidised bed for a predetermined time to form biofilm to retain oxidised products which are not adsorbed on the said active carbon.

(Prov. Specn. 5 pages.

Drg. 1 sheet)

(Comp. Specn. 12 pages,

Drg. 1 sheet)

Ind. Cl.: 117 A (LXIV (5) )

172896

Int. Cl.: E 05B—65/52.

**A LOCK TO PREVENT LUGGAGES, SUCH AS, SUITCASES BRIEFCASES AND THE LIKE, OPENING IN UP-SIDE DOWN POSITION.**

Applicants: UNIVERSAL LUGGAGE MANUFACTURING CO. LIMITED, AT B-4, MIDC, INDUSTRIAL AREA, WALUJ, 431 133 DIST. AURANGABAD, MAHARASHTRA STATE, INDIA.

Inventor: JOGINDER SINGH.

Application No. 208/BOM/1990 filed on 10-8-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 2 Claims

A lock which prevent luggages, such as, suitcases, briefcases and the like, opening in upside down positions, which includes:

a base plate having a primary and a secondary pairs of extensions at predetermined locations, at both sides, having holes, which are bent to approximately 90° to form "U" shape;

an outer plate having a primary, a secondary and an auxiliary extensions at predetermined locations, at both sides, having holes, which are bent to approximately 90° to form "U" shape and, are adapted to rest within said "U" shaped extensions of the base plate;

said primary extensions of base plate and outer plate being pivotted, with the help of a pivot pin and, is spring loaded;

said secondary extensions of base plate and outer plate are pivotally connected with the help of an extension member, such that when said primary pivotted end of outer plate is pressed towards the base plate, the other end of it moves away from the base plate to the extent of length of said extension member and is held in that position, due to expanding of the said spring;

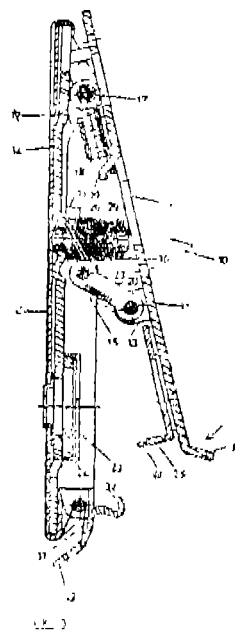
a first hook member projecting from the said outer plate and directed towards the said base plate, which rests over an auxiliary hook member of the luggage lid in the locked state, preventing the said auxiliary hook member from being removed;

a second hook member projecting from said base plate and directed towards outer plate at the end which remain away from the outer plate, when it is pressed at the primary pivot end, and a lock mechanism provided with said outer plate in alignment with said hook, which may be operated with the help of a key for locking or unlocking said hook of the base plate;

characterised in that a stud is provided with the said outer plate and directed towards the said base plate, which projects out of a slot in the said base plate;

said slot in the base plate, through which said stud projects has a larger gap in relation to said stud at the lower side and is in close approximation with the said stud at the upper side; and

an oblong ring provided with the said stud which is held between a spacer and a washer, such that when luggage is upside down, said oblong ring stands slid onto the base plate the portion, which is in close approximation with the stud preventing movement of outer plate and in right side up position stands slid into larger gap of slot thereby allowing oblong ring to be removed therefrom, which allows movement of outer plate, when it's primary pivotted end is pressed.



(Comp. Specn. 14 pages,

Drgs. 6 sheets)

Ind. Cl.: 204 (XLI (10))

172897

Int. Cl.: G 01 G—13/02.

**WEIGHT-CHECKING APPARATUS.**

Applicants: EERSTE NEDERLANDSE FABRIEK VAN WEEGWERKTUIGEN JAN MOLENSCHOT & ZOON B.V., TETERINGSEDIJK 53, 4817 MA BREDA, THE NETHERLANDS.

Inventors: VAN ROOTSELAAR JAN.

Application No. 261/Bom/1990, filed October 18, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**2 Claims**

A weight checking apparatus for weighing a bulk product of particle-like material such as grain for example by dividing it into discrete loads (so-called batches), comprising of;

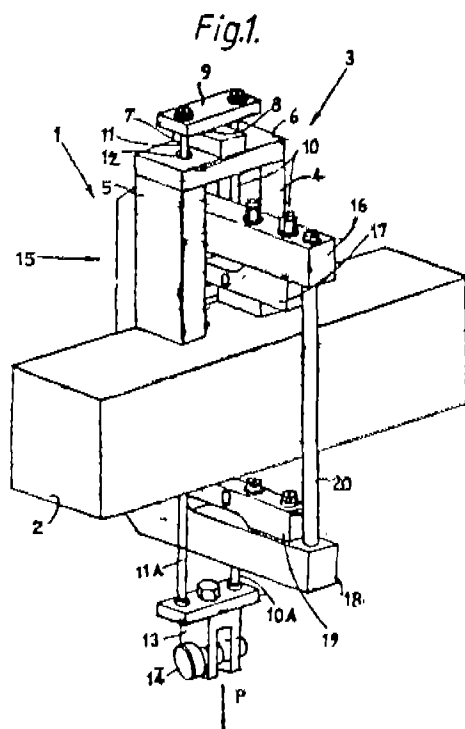
A yoke which includes vertical side plates with horizontal connecting plates; the said yoke is supported by a ball and socket joint to a first cross plate, which carries two vertical rods extended through the said horizontal connecting plate of yoke and carries at bottom second cross plate; at the lower side of the said vertical rods connected to another yoke carries a weight hopper;

C-shaped frame arranged between the vertical sides plates of the said yoke;

a first electro-mechanical loadcell is affixed to the under-side of the upper horizontal leg and second electro-mechanical loadcell is fixed to the lower horizontal leg; the said vertical tie rods are fixedly connected through cross connection to the upper said electro-mechanical loadcell; outside of the said c shaped frame is closed off by a detachable vertical connecting rod;

the said first and second electro-mechanical loadcell are connected to an Individual A/D converter;

and the said A/D converter is extended to a comparator which is controlled by a controller.



(Comp. Specn. 11 pages,

Drgs. 2 sheets)

Ind. Cl.: 115 (XXXIX (5))

172898

Int. Cl.: A 62 B—35/00.

**AN EMERGENCY ESCAPE EQUIPMENT FOR HIGH RISE STRUCTURES.**

Applicants & Inventor: SHAM BHALCHANDRA ANTOORKAR TRADING AS ELECTRO BUILT AT 6, PRAVIN INDUSTRIAL ESTATES NAGARWFL HANUMAN ROAD, RAKHIAL, AHMEDABAD-380 023 GUJARAT (INDIA).

Application No. 323/Bom/1990 filed Dec 3, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

**3 Claims**

An emergency escape equipment for high rise structures comprising a pair of the track ropes, one end of each track rope being fixed to the high rise structure adjacent and above the work station/platform of the said structure and the other end being fixed at the ground away from the structure keeping the angle of inclination of the rope with the ground less than 45° preferably 20° to 45° a pair of carriages, interconnected by a haulage rope, slidingly provided, one each on the said track ropes, the said haulage rope passing over a rotating pulley provided on the high rise structure above the said platform. each of the said carriage comprises a pair of side plates connected together with a gap therebetween, for accommodating one or more grooved wheels and a fulcrum pin provided in the upper portion of the said plates, the said grooved wheels being mounted on the track rope, an angular lever having a short arm and a long arm being mounted on the said fulcrum pin passing through the junction of the two arms of the said lever, a brake shoe/paddle fixed on the said fulcrum pin, between the said side plates, a counter weight being provided on the said short arm of the angular lever, a seat for one or more persons being attached at the lower portion of the said plates with the help of a shaft/hinge pin.

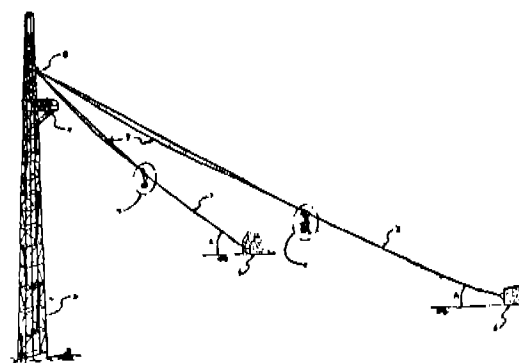


Fig. 1

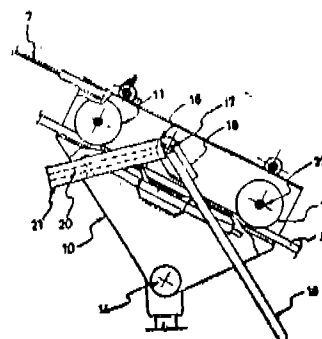


Fig. 4

(Comp. Specn. 8 pages

Drgs. 2 sheets)

Ind. Cl.: 146 A

172899

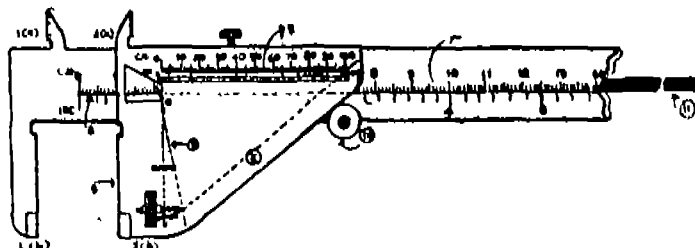
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

Int. Cl.: G 01 B-3/24.

**PRECISE LINEAR MEASURING INSTRUMENT  
BASED ON LINEAR EXPANSION.**

Applicants & Inventors: ACHYUT RAJESHWAR PADMAWAR C/O C.R. PADMAWAR, 34/A PUSHPAKUNJA COLONY YAVATMAL (MAHARASHTRA) NATIONALITY, INDIAN & ANIL RAMKRISHNA SAWALE, C/O MANOHAR PANDE, SINGHNIYA NAGAR, YAVATMAL (MAHARASHTRA). NATIONALITY-INDIA.

Application No. 324/Bom/90 filed on 04-12-90.



(Comp. Specn. 8 pages.

Drgns. 4 sheets)

Ind. Cl.: 127 I Gr. [LXV (1)]

172900

131 B<sub>1</sub>, B<sub>2</sub>, B<sub>3</sub> Gr. [XXVIII (3)]

Int. Cl.: E 21 C—5/08, 25/06.

**AN IMPROVED SINGLE ACTUATOR FEED MECHANISM FOR TWO POWER HEADS OF DRILLING EQUIPMENT AND THE LIKE.**

Applicants: INGERSOLL-RAND (INDIA) LIMITED, AT RHONE-POULENC HOUSE, S.K. AHIRE MARG, BOMBAY-400 025, MAHARASHTRA, INDIA.

Inventors:

- (1) MR. AMBADATH RAJENDRAN.
- (2) MR. PANAMBUR SURESH RAO.
- (3) MR. KAPPADATH PUTHENVEEDU MOHANAN.

Application No. 349/Bom/1990 filed on 27-12-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

**2 Claims**

An improved single actuator feed mechanism for two power heads on a drilling equipment and the like comprising of top power head 45 and a bottom power head 46 each mounted over a pair of guide shoes 43, 44 and travelling selectively, on a common drill guide 55 housing a rear top fixed pulley 31, a rear bottom fixed pulley 32, a front top fixed pulley 33, a front bottom fixed pulley 34, a pair of left and right movable pulleys 35 and 36, fixed on a guide block 40, attached to a feed actuator 39, mounted at its front end to a hinge 58, a top common anchor 41 and a bottom common anchor 42 attached to the said top power head 45 and bottom power head 46 respectively, a steel wire rope 37 attached to the said top common anchor 41, passing over the said rear top fixed pulley 31, left movable pulley 35, rear bottom fixed pulley 32 and terminating at the said bottom common anchor 42, another steel wire rope 38 attached to the said top common anchor 41 passing over the said front top fixed pulleys 33, the right movable pulley 36, front bottom pulley 34 and terminating at the said bottom common anchor 42, a top drill bit 51 attached to the said top power head 45 through a interconnecting top rotary coupling 47 and a top drill rod 49 carried on a top centralizer bushing 53 mounted on the front end of the said common drill guide

55, a bottom drill bit 52 attached to the said bottom power head 46 through a rotary coupling 48 and a bottom drill rod 50 carried on a bottom centralizer bushing 54, mounted on the front end of the said common drill guide 55, a locking system consisting of a pair of swivel arms 56 connected at one end to a small actuator 57 and grooves provided in the said top guide shoes 43 and the bottom guide shoes 44 for engaging thereinto the said swivel arms for selectively locking the respective power head.

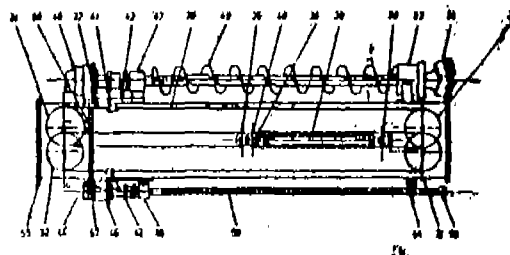


FIG. 1

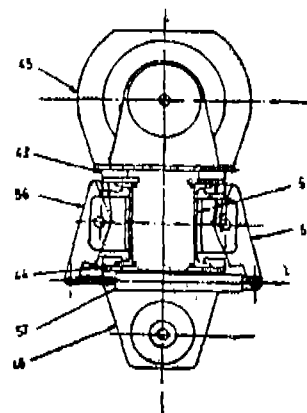


FIG. 2

(Comp. Specn. 10 pages.

Drgns. 3 sheets)

## PATENT SEALED

ON 26-11-1993

170905\*D 171215\* 171295 171308 171310\* 171313 171314\*  
 171315\* 171323 171325\* 171332\* 171345\* 171346 171348  
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 171370 171371 171373 171374\* 171375\* 171376 171381  
 171382 171383 171384 171396 171398.

CAL—13, MAS—5, DEL—19, BOM—3.

\*Patent shall be deemed to be endorsed with the words  
 LICENCE OF RIGHT Under Section 87 of the Patents Act,  
 1970 from the date of expiration of three years from the date  
 of Sealing.

D—DRUG PATENT, F—FOOD PATENT.

REGISTRATION OF ASSIGNMENTS LICENCES ETC.  
(PATENTS)

Assignments, Licences or other transaction affecting the  
 interest of the Original Patentee have been Registered in the  
 following case.

The number of each case is followed by the name of the  
 Parties claiming interest :—

156336 }  
 162334 }  
 167591 }  
 167602 } Sab Wabco Holdings BV.  
 168128 }  
 168477 }  
 168781 }

162400 }  
 167348 } Emhart Glass Machinery Investments Inc.

167594—Sheila Sriprakash.

## RENEWAL FEES PAID

154194 154295 154296 154336 154343 154509 154518 154520  
 154847 155470 155621 156073 156132 156165 156222 156385  
 156530 156794 156795 156841 157796 157842 158117 158136  
 158373 158654 158839 158864 158936 159171 159270 159339  
 159376 159377 159379 159482 159542 159666 159729 159730  
 159827 159908 160107 160211 160216 160526 160529 160530  
 160575 160846 160876 160720 161151 161157 161205 161219  
 161294 161344 161615 161617 161705 161743 161844 162430  
 162656 162643 162829 163450 163584 163671 163827 163901  
 163903 164316 164479 164536 164590 164599 164660 164751  
 164753 164803 165123 165526 165802 165999 166161 166189  
 166190 166286 166381 166430 166464 166479 166617 166661  
 166745 166760 166847 166854 167019 167028 167034 167310  
 167510 167686 167753 167767 167911 167959 168042 168043  
 168064 168133 168176 168204 168273 168378 168512 168549  
 168559 168703 169147 169258 169645 169648 169741 169884  
 170107 170167 170385 170388 170974.

## CESSATION OF PATENTS

160596 160618 160619 160620 160633 160659 160670 160672  
 160681 160685 160699 160703 160705 160712 160747 160755  
 160767 160770 160797 160805 160811 160819 160833 160837  
 160839 160883 160886 160890 160894 160907 160916 160922  
 160923 160924 160925 160927 160946 160947 160960 160971  
 160981 160983 160985 160987 160989 160991 161014 161026  
 161027 161033 161034 161040 161069 161079 161080 161082  
 161087 161090 161108 161123 161126 161141 161162 161165  
 161169 161171.

## RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under  
 Section 60 of the Patents Act, 1970 for the restoration of  
 Patent No. 159985 granted to Isover Saint-Gobain, for an  
 invention relating to "process for the preparation of a con-  
 densation product of phenol, formaldehyde and urea".

The Patent ceased on the 16th November 1992 due to non-  
 payment of renewal fees within the prescribed time and the  
 cessation of the patent will be notified in the Gazette of  
 India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to  
 the restoration by leaving a notice on Form 32 in duplicate,  
 with the Controller of Patents, The Patent Office, Nizam  
 Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4,  
 Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on  
 or before the 25-2-1994 under Rule 69 of the Patents Rules  
 1972. A written statement, in triplicate, setting out the  
 nature of the opponents interest, the facts upon which he  
 bases his case and the relief he seeks, shall be filed with the  
 notice or within one month from the date of the notice.

Notice is hereby given that an application was made under  
 Section 60 of the Patents Act, 1970 for the restoration of  
 Patent No. 161927 granted to Tata-Robins-Fraser Limited,  
 for an invention relating to "suction duct for paddle feeders  
 for coal".

The Patent ceased on the 11th October 1993 due to non-  
 payment of renewal fees within the prescribed time and the  
 cessation of the patent will be notified in the Gazette of  
 India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to  
 the restoration by leaving a notice on Form 32 in duplicate,  
 with the Controller of Patents, The Patent Office, Nizam  
 Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4,  
 Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on  
 or before the 25-2-1994 under Rule 69 of the Patents Rules  
 1972. A written statement, in triplicate, setting out the  
 nature of the opponents interest, the facts upon which he  
 bases his case and the relief he seeks, shall be filed with the  
 notice or within one month from the date of the notice.

Notice is hereby given that an application was made under  
 Section 60 of the Patents Act, 1970 for the restoration of  
 Patent No. 164061 granted to Shrish Shantilal Pandya for  
 an invention relating to "a liquid seed treater".

The Patent ceased on the 21st October 1992 due to non-  
 payment of renewal fees within the prescribed time and the  
 cessation of the patent will be notified in the Gazette of  
 India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to  
 the restoration by leaving a notice on Form 32 in duplicate,  
 with the Controller of Patents, The Patent Office, Nizam  
 Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4,  
 Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on  
 or before the 25-2-1994 under Rule 69 of the Patents Rules  
 1972. A written statement, in triplicate, setting out the  
 nature of the opponents interest, the facts upon which he  
 bases his case and the relief he seeks, shall be filed with the  
 notice or within one month from the date of the notice.

Notice is hereby given that an application was made under  
 Section 60 of the Patents Act, 1970 for the restoration of  
 Patent No. 165910 granted to Fried Krupp Gesellschaft Mit  
 Beschränkter Haftung for an invention relating to "process  
 for producing coated molded bodies".

The Patent ceased on the 10th December 1992 due to non-  
 payment of renewal fees within the prescribed time and the  
 cessation of the patent will be notified in the Gazette of  
 India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to  
 the restoration by leaving a notice on Form 32 in duplicate,  
 with the Controller of Patents, The Patent Office, Nizam  
 Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4,  
 Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on

or before the 25-2-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168142 granted to Gorantla Sudhakar & others for an invention relating to "a composite flexible packing box".

The Patent ceased on the 17th March 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-2-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 170133 granted to Garware-Wall R & D Division for an invention relating to "a process of manufacturing lubricating fluid for pulling cables through ducts".

The Patent ceased on the 11th September 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 11th December, 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 25-2-1994 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### REGISTRATION OF DESIGN

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the entries is the date of registration in the entry.

Class 1. No. 165535, Chaman Lal trading as K. C. Products (India, J-899, Mangol Puri, New Delhi-110083,

India, Indian National. "Grater for food preparation", April 15, 1993.

Class 3. Nos. 165521 & 165522. Metro Tyres Limited of B-27, Focal Point, Ludhiana-10, Punjab, India, Indian Comapny. "Cycle tyre", April 13, 1993.

Class 4. No. 166138. Gopal Glass Works Pvt. Ltd. of 182, Gagan Vihar, Khanpur, Ahmedabad, Gujarat, India, Indian Pvt. Ltd. Co. "Figured Glass", Sept. 6, 1993.

Class 10. No. 165367. Liberty Group Marketing Division, Liberty House Extension, Karnal, Haryana, India, Indian Partnership Concern. "Baby Sandal". 18th February, 1993.

Copyright extended for the 2nd period of five years

Nos. 162760, 162622 to 162637, 158967, 159522, 159861, 159386, 159387, 159241, 158411, 159793, 164109 to 164111. .. Cl. 1.

Nos. 163317, 162162 to 162164, 163458, 163316, 163098, 163083, 162572, 162431, 162432, 163724, 159860, 159637 to 159645, 159893 to 159897, 159517, 159518, 160168, 159351, 159352, 163605, 163677, 159270 to 159274, 159325 to 159332. .. Cl. 3.

Nos. 161099, 160426 to 160428, 161794, 164795, 160310. .. Cl. 5.

Nos. 159333 to 159334, 159337 to 159343, 159646 to 159654, 159886 to 159891, 159515 and 159517. .. Cl. 10.

Nos. 159231, 159945 and 161100. .. Cl. 12.

Copyright extended for the 3rd period of five years

Nos. 152678, 152702 to 152705, 152694, 152877, 164395, 152706, 152707, 162517, 153035, 153036, 152746, 162760, 162622 to 162637, 153706 to 153708, 164109 to 164111, 164045 and 164046. .. Cl. 1.

Nos. 164478, 164479, 165373, 164927, 164644, 164509, 164510, 159438, 164653, 160867 to 160869, 160977, 161259, 164510, 164438, 164439, 164036, 161260 to 162263, 163317, 162162 to 162164, 152555, 152556, 163458, 163316, 163098, 163063, 162572, 162531, 162532, 163724, 163605, 163677 & 164337. .. Cl. 3.

Nos. 153880, 153882 and 153877. .. Cl. 4.

Nos. 161099, 160426 to 160428, 161794, 161795, 160310. .. Cl. 5.

Nos. 159231, 159945 and 161100. .. Cl. 12.

R. A. ACHARYA

Controller General of Patents Designs  
and Trade Marks

